Smart Growth Coordinating Committee
August 30, 2001 - **Minutes/Notes**

Smart Growth and Environmental Permitting - Stormwater Issues

Attendance included:
From DEP: Don Witherill, Jeff Dennis, Jeff Madore, Judy Gates, Hetty Richardson,
From EPA: Jenny Bridge, Rosemary Monahan
From SPO: Liz Hertz, Kathleen Leyden, Todd Janeski, John DelVecchio, Judy East, Noel Musson, Mary Jane West
From DAFFR: Mary Ellen Johnston
From DOT: Alan Stearns
From PUC: Dennis Keschl
From CSWD: Brad Guay
From DOC: John McPhedran

Presentations and handouts included:

Great American Neighborhood Design (GAN) characteristics (Judy East)
Sprawl vs. Traditional Town Development – How Do They Compare? handout
Stormwater Implications from GAN's and Commercial Growth Areas (Jeff Dennis)
Preview of Coming Attractions: The Stormwater Phase II Program (Don Witherill)
Alternatives to Conventional Site Design or Low Impact Development (Todd Janeski)

Flip chart notes:

ISSUES THAT EXISTING REGULATIONS/POLICY NEEDS TO ADDRESS:

- High, long term duration of peak flow from large commercial areas
- More frequent storm events
- Upfront planning for commercial areas (coordinated parking)
- Existing sources of stormwater and new non-regulated sources
- Local involvement – Phase II an opportunity as 6 control measures are implemented
- Technical Assistance to towns
- Define what we mean by sub-watershed
- Clarity around where % imperviousness is being measured
- Establish buffer widths relative to agreed upon stream order level
- 150 buffer width is a compromise choice relative to multiple benefits; ii includes all but full flood and habitat setback recommendations
- Recognize that data and mapping availability is a constraint for towns when establishing these buffer widths
- Obtain input from adjoiners early in the site design stage
- Snow storage at site design level

CREATIVE/INNOVATIVE DESIGN OPTIONS

- Roof drains to on-site permeation
- Upland pre-treatment
- Include Alternative transportation networks that decrease imperviousness
    - Trails that connect to networks
    - One way streets that are narrower
- Use public green space to break up impervious cover , for stormwater treatment and its other benefits
    - Grassland swales between roads, in common areas, along esplanades
- Under drains
- Bioretention facilities in swales, cul-de-sacs, front lawns (design up front and good for retrofit)
- RED FLAG – maintenance costs, build in means of paying for or reducing
- On commercial sites incorporate:
    - Alternative transportation networks
    - Perimeter sand filters
    - More trees
    - Break up impervious cover
    - Infiltration trenches (can be somewhat featureless)
    - Incorporate landscaping into BMP's
- Wet ponds
    - Incorporate fore pond for particle settling and to trap large debris for easier removal
    - Add plants (they don't have to be ugly featureless geometric shapes)
    - Add irregularity in shape (looks and functions better)
- Green roof tops
- Pervious pavement (best for seasonal use areas that don't trap lots of sand from snow removal
- Maintain a SOURCE REDUCTION mindset, i.e. retain the stormwater on site
- Seek local involvement in design (early) and during retrofit to solve problems

HOW DO WE IMPLEMENT ANY OF THIS?

Need:	Current Activities	By:
Awareness Building on Available choices Multiple benefits of design options (stormwater management, open space, landscaping, etc)	NEMO going statewide Model SW Ordinance under development TA Bulletin Hiring Stormwater Coordinator	DEP/SPO SPO – MCP SPO – LUT/DEP DEP
Developers to submit proposals with innovative stormwater designs	GAN Design Charrettes	SPO -LUT
Ordinances that allow GAN's	Model Municipal Handbook	SPO
Means of dealing with maintenance and costs Performance bonds Affordability issues	Incorporate into TA Bulletin and Model SW Ordinance	
Means of accommodating future growth given TMDL's TIF's/Stormwater Utilities Regional coordination	Further discussion by this group at October 3/01 meeting	